

NOTE(S):

ONLY A TRAINED/APPROVED GRIT BLAST BOOTH OPERATOR MAY OPERATE THE GRIT BLAST BOOTH.

TO QUALIFY AS AN TRAINED/APPROVED OPERATOR IT IS REQUIRED THAT THE OPERATOR PASS AN ANNUAL MEDICAL PHYSICAL AND BE ODH QUALIFIED (MEDICALLY).

THERE MUST BE A GRIT BLAST BOOTH MONITOR APPOINTED TO MONITOR THE TWO-WAY COMMUNICATION SYSTEM.

THIS PROCEDURE COVERS WHAT IS REQUIRED TO BE ACCOMPLISHED AT THE START OF EACH SHIFT.

IF ANY DEFECTIVE CONDITIONS EXIST NOTIFY THE BUILDING MANAGER IMMEDIATELY TO HAVE THE CONDITION REPAIRED.

THE GRIT BLASTERS HELMET MUST NEVER BE LEFT UNATTENDED INSIDE THE GRIT BLAST BOOTH.

THE GRIT BLASTERS NOZZLE IS EQUIPPED WITH A DEAD MAN SWITCH AND WILL ALSO SHUT OFF IF THE GRIT BLASTER SHUT-OFF BUTTON IS ACTIVATED. THE GRIT BLASTER SHUT-OFF BUTTON IS LOCATED OUTSIDE THE GRIT BLAST BOOTH ON THE WEST WALL.

REV.	DESCRIPTION	DRAWN	DATE
		APPD.	DATE

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	R. RHEIL	5/12/94
FRACTIONS	DECIMALS	ANGLES	DRAWN	T. SKWERES	5/12/94
*	*	*	CHECKED	<i>[Signature]</i>	05/12/94
1. BREAK ALL SHARP EDGES 1/64 MAX. 2. DONOT SCALE DWG. 3. DIMENSIONING IN ACCORD WITH ANSI Y14.5 STD's.			APPROVED	<i>R. Rheil</i>	5/12/94
			USED ON		
<input checked="" type="checkbox"/> MAX. ALL MACHINED SURFACES			MATERIAL N/A		
 FERMI NATIONAL ACCELERATOR LABORATORY U.S. DEPARTMENT OF ENERGY					
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1.0 INSPECTION OF THE GRIT BLAST BOOTH

- 1.1 TURN ON THE LIGHTS IN THE GRIT BLAST BOOTH, THE SWITCHES ARE LOCATED INSIDE THE BOOTH ON THE LEFT-HAND SIDE BY THE MAIN DOORS REFER TO DIAGRAM 1.
- 1.2 VISUALLY INSPECT THE AREAS AROUND THE DOORS TO SEE IF THERE ARE ANY MAJOR LEAKS IN THE DOOR SEALS.
- 1.3 VISUALLY INSPECT THE INTEGRITY OF THE HOSES AND THE GRIT BLAST NOZZLE.
- 1.4 LIFT THE GRATE IN THE FLOOR COVERING THE HOPPER.
- 1.5 VISUALLY CHECK THE SCREEN IN THE BOTTOM OF THE HOPPER, IF THE SCREEN IS FULL EMPTY IT.

2.0 INSPECTION OF THE GRIT BLASTER MECHANICAL EQUIPMENT

- 2.1 VISUALLY INSPECT THE AREAS AROUND THE MACHINERY SEALS TO SEE IF THERE ARE ANY APPARENT LEAKS IN THE SEALS.

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2.2 PULL THE DUMP HANDLES (2) LOCATED ON THE BACK OF THE DUST COLLECTOR REFER TO DIAGRAM 1. THIS WILL ALLOW EXCESS DUST TO FALL INTO THE DUST COLLECTION BARRELS. THESE BARRELS SHOULD ONLY BE FILLED 1/4 FULL, AT THIS TIME CONTACT THE WASTE COORDINATOR.

2.3 VISUALLY CHECK THE DUST DRAWERS (3) LOCATED IN THE BOTTOM OF THE DUST HOUSE REFER TO DIAGRAM 1. IF THE DRAWER IS 1/2 FULL, CONTACT THE WASTE COORDINATOR. IF THE DRAWER APPEARS TO BE FILLING AT AN EXTREMELY FAST RATE THIS MAY BE A SIGN THAT THE SHAKER BAG FILTERS ARE DAMAGED.

3.0 GENERAL OPERATION

3.1 OBTAIN THE KEY(S) FROM THE SUPERVISOR ON DUTY.

3.2 PUT ON THE APPROPRIATE PERSONNEL PROTECTIVE EQUIPMENT.

3.3 UNLOCK CONTROL PANEL MAIN POWER SWITCH AND PLACE IT IN THE ON POSITION REFER TO DIAGRAM 1.

3.4 START THE BLOWER BY PUSHING THE START BLOWER BUTTON LOCATED ON THE CONTROL PANEL REFER TO DIAGRAM 2.

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- 3.5 VISUALLY INSPECT ALL THE GRIT BLASTER MACHINERY SEALS AND HOSES FOR LEAKS.
- 3.6 RUN THE SHAKER BY PLACING THE SWITCH LOCATED ON THE BOTTOM OF THE BOX NEXT TO THE DUST HOUSE IN THE ON POSITION REFER TO DIAGRAM 1. THIS WILL ALLOW THE SHAKER BAG FILTERS TO SHAKE CLEAN.
- 3.7 TURN ON THE AMBIENT - AIR SYSTEM SWITCH, THE SWITCH IS LOCATED INSIDE THE BOOTH ON THE LEFT-HAND SIDE BY THE MAIN DOORS REFER TO DIAGRAM 1.
- 3.8 CONNECT TO THE AMBIENT - AIR BLOWER SYSTEM AND OPERATE AS PER THE 3M AMBIENT - AIR BLOWER OPERATOR'S MANUAL (5525-OP-318913). FOR ANY MAINTENANCE OR CLEANING OF THE AMBIENT - AIR BLOWER SYSTEM REFER TO THE 3M AMBIENT - AIR BLOWER OPERATOR'S MANUAL.
- 3.9 PERFORM AN OPERATIONAL SAFETY CHECK OF THE GRIT BLASTER AS PER THE GRIT BLAST BOOTH OPERATIONAL SAFETY CHECKLIST (5525-FM-318951). WHEN THIS FORM IS COMPLETED THE ORIGINAL WILL BE TURNED INTO THE BUILDING MANAGER AND A COPY IS TO BE PLACED IN THE GRIT BLAST BOOTH DAILY CHECKLIST BINDER LOCATED ON THE GRIT BLAST OPERATORS WORK BENCH.

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4.0 CLEAN UP AND SHUTTING DOWN

- 4.1 PRIOR TO MOVING ANY ITEM(S) OUT OF THE GRIT BLAST BOOTH THE CART AND THE ITEM(S) ARE TO BE FREE OF ALL GRIT BLASTING MATERIAL.
- 4.2 CLEAN UP AROUND THE DOORS AND SWEEP THE EXCESS GRIT ON THE FLOOR INTO THE HOPPER IN THE FLOOR WHILE THE SYSTEM IS RUNNING.
- 4.3 PUSH THE STOP BLOWER BUTTON REFER TO DIAGRAM 2.
- 4.4 PLACE THE CONTROL PANEL POWER SWITCH IN THE OFF POSITION AND INSTALL THE LOCK REFER TO DIAGRAM 1.
- 4.5 RETURN THE KEY(S) FROM THE SUPERVISOR ON DUTY.

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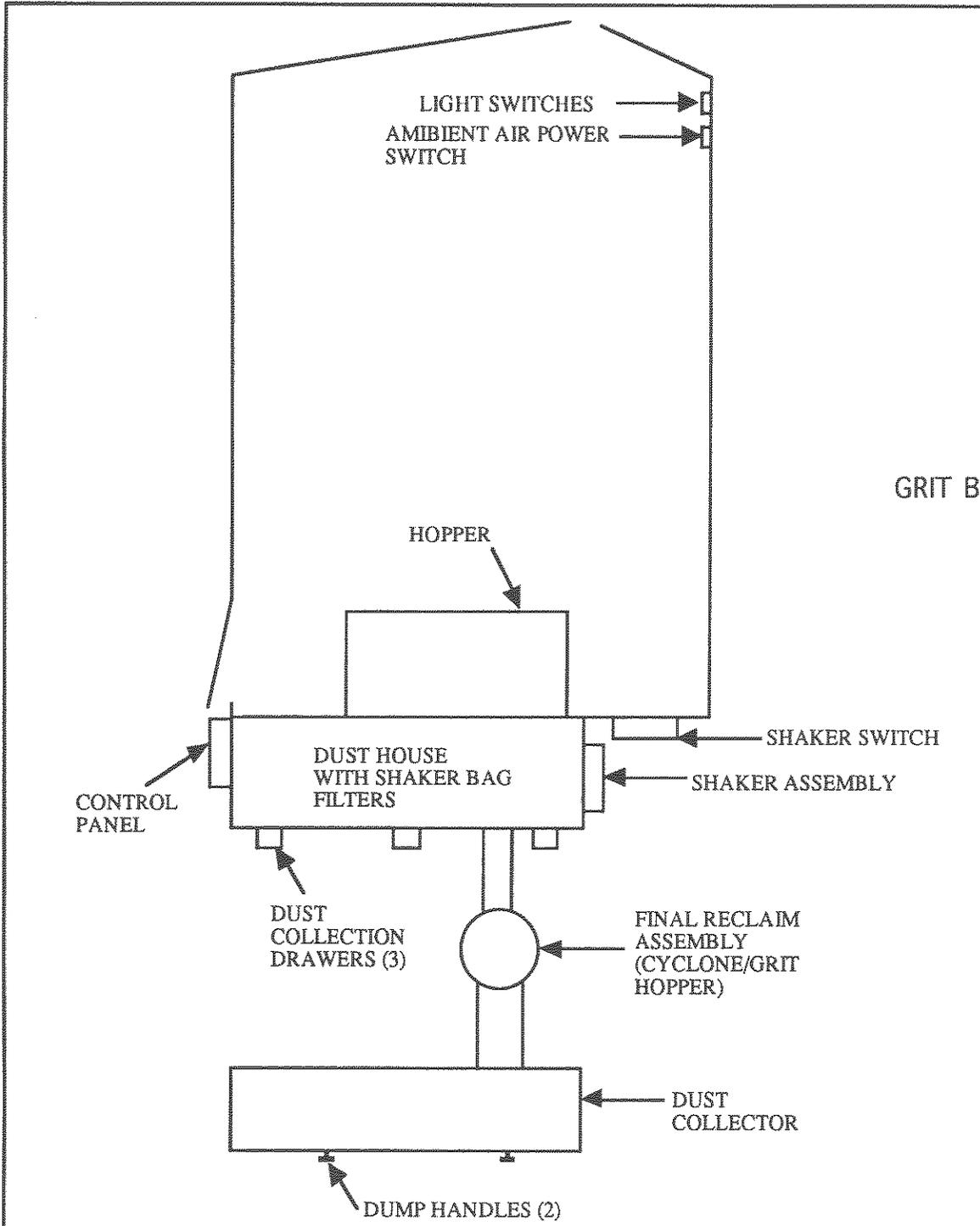


DIAGRAM 1
GRIT BLAST BOOTH FLOOR PLAN

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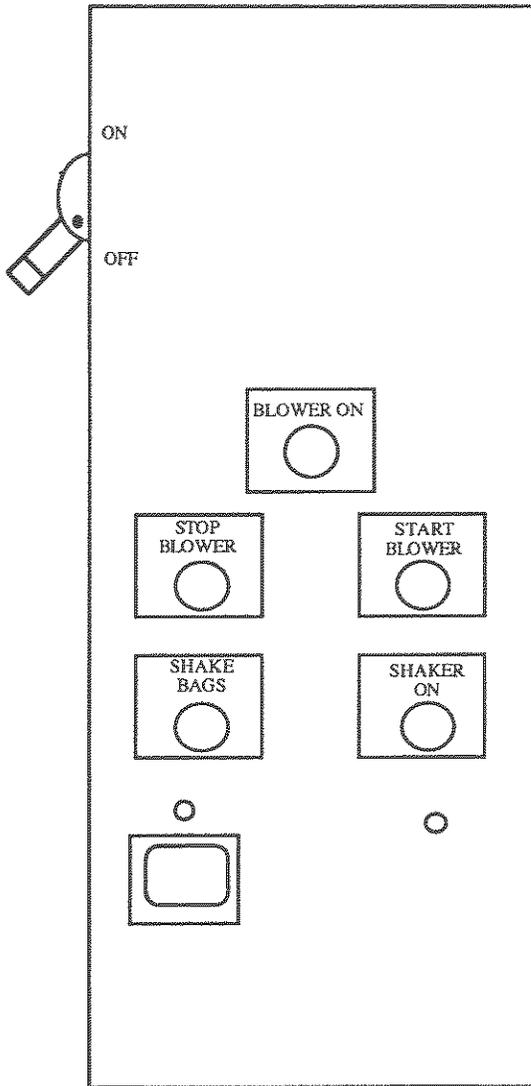


DIAGRAM 2
GRIT BLAST BOOTH CONTROL PANEL

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